CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.13/Steel/2018-19

07.04.2018

TEST REPORT ON REINFORCEMENT STEEL

* **Customer** : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* **Agency** : **Technical Manager (West),** KRIDL, Bangalore.
* **Name of work** : Improvements to RCC drains and CC roads at adjacent cross roads in Anjaneya temple road and other roads in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* **Reference** : BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* **Samples ID** : 12 mm Bar

Technical Reference : IS: 1786-2008

Date of Testing : 07.04.2018

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	519	561	13.4	O.K	O.K

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

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⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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Civil-tech Consultants & Engineers
#23/14, 7th Cross, 3rd Stage, 4th Block,
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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-04/610j/Cube/2018-19 08.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: **Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	: Improvements to RCC drains and CC roads at adjacent cross roads in Anjaneya temple road and other roads in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* Sample ID	: RCC Drain Bed Slab Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 08.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2018	08.05.2018	8.129	478.6	21.27
2	10.04.2018	08.05.2018	8.237	494.8	21.99
3	10.04.2018	08.05.2018	8.325	505.4	22.46

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VIDYARANI P.K.
Technical Manager

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Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2018	08.05.2018	8.133	499.6	22.20
2	10.04.2018	08.05.2018	8.229	525.4	23.35
3	10.04.2018	08.05.2018	8.380	538.9	23.95

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* Reference	: BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* Sample ID	: RCC Drain Side Wall Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 11.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2018	11.05.2018	8.405	474.5	21.09
2	13.04.2018	11.05.2018	8.357	505.8	22.48
3	13.04.2018	11.05.2018	8.285	512.7	22.79

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Sample Received on	: 11.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2018	11.05.2018	8.216	485.6	21.58
2	13.04.2018	11.05.2018	8.356	495.8	22.04
3	13.04.2018	11.05.2018	8.405	516.3	22.95

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